IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1.   (Currently Amended) A computer-readable memory medium comprising program instructions executable to:

dynamically determine a plurality of valid parameter values;

display a graphical user interface for selecting a parameter value, wherein the graphical user interface visually indicates the plurality of valid parameter values, wherein the graphical user interface is displayed while a user is editing source code of a software program, wherein the source code is written in a text-based programming language that can be compiled into executable code;

receive user input to the graphical user interface to select a first parameter value from the plurality of valid parameter values; and

automatically include the first parameter value in the source code of [[a]] the software program in response to the user input selecting the first parameter value, wherein said automatically including the first parameter value in the source code of the software program aids the user in editing the source code.

2.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of valid parameter values comprises dynamically determining the plurality of valid parameter values based on a configuration of a computer system.

3.   (Previously Presented) The computer-readable memory medium of claim 2,

wherein said dynamically determining the plurality of valid parameter values based on the configuration of the computer system comprises dynamically determining

the plurality of valid parameter values based on a hardware configuration of the computer system.

4.   (Previously Presented) The computer-readable memory medium of claim 3,

wherein said dynamically determining the plurality of valid parameter values based on the hardware configuration of the computer system comprises programmatically examining information regarding the hardware configuration of the computer system.

5.   (Previously Presented) The computer-readable memory medium of claim 3,

wherein said dynamically determining the plurality of valid parameter values based on the hardware configuration of the computer system comprises programmatically querying software associated with one or more hardware devices coupled to the computer system.

6.   (Previously Presented) The computer-readable memory medium of claim 2,

wherein said dynamically determining the plurality of valid parameter values based on the configuration of the computer system comprises dynamically determining a first plurality of valid parameter values;

wherein the program instructions are executable to dynamically determine a second plurality of valid parameter values based on the configuration of the computer system after the configuration of the computer system has been changed.

7.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of valid parameter values comprises dynamically determining one or more parameter values corresponding to hardware devices coupled to a computer system;

wherein the first parameter value corresponds to a first hardware device;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first hardware device.

8.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of valid parameter values comprises dynamically determining one or more parameter values corresponding to resources of one or more hardware devices;

wherein the first parameter value corresponds to a first resource of a first hardware device;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first resource of the first hardware device.

9.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of valid parameter values comprises dynamically determining one or more GPIB resources;

wherein the first parameter value comprises a first GPIB resource;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first GPIB resource.

10.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of valid parameter values comprises dynamically determining one or more Visa resources;

wherein the first parameter value comprises a first Visa resource;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first Visa resource.

11.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of valid parameter values comprises dynamically determining one or more DAQ resources;

wherein the first parameter value comprises a first DAQ resource;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first DAQ resource.

12.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of valid parameter values comprises dynamically determining one or more universal resource locators (URLs);

wherein the first parameter value comprises a first URL;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first URL.

13.   (Previously Presented) The computer-readable memory medium of claim 1, further comprising program instructions executable to:

receive user input specifying filtering criteria for the parameter values;

wherein the graphical user interface visually indicates only a subset of the valid parameter values, wherein the subset is determined based on the specified filtering criteria.

14.   (Previously Presented) The computer-readable memory medium of claim 1, further comprising program instructions executable to:

receive user input requesting to display the graphical user interface for selecting the parameter value;

wherein said displaying the graphical user interface is performed in response to the user input requesting to display the graphical user interface.

15.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said automatically including the first parameter value in source code of the software program comprises automatically including the first parameter value in one of:

a function call in source code of the software program; or

a method call in source code of the software program.

16-19. (Canceled)

20.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said displaying the graphical user interface comprises displaying the graphical user interface in a separate window apart from the software program.

21.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said displaying the graphical user interface comprises displaying the graphical user interface in a portion of a program window for the software program.

22.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein the graphical user interface displays the plurality of valid parameter values as a list;

wherein said receiving user input to the graphical user interface to select the first parameter value comprises receiving user input to the graphical user interface to select the first parameter value from the list.

23.   (Previously Presented) The computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of valid parameter values includes dynamically determining one or more property values;

wherein said receiving user input to the graphical user interface to select the first parameter value comprises receiving user input to the graphical user interface to select a first property value;

wherein the first property value is automatically included in the software program in response to the user input selecting the first property value.

24.   (Currently Amended) A computer-readable memory medium comprising program instructions executable to:

determine a plurality of parameter values based on a hardware configuration of a computer system;

display a graphical user interface for selecting a parameter value, wherein the graphical user interface visually indicates the plurality of parameter values, wherein the graphical user interface is displayed while a user is editing source code of a software program, wherein the source code is written in a text-based programming language that can be compiled into executable code;

receive user input to the graphical user interface to select a first parameter value from the plurality of parameter values; and

automatically include the first parameter value in the source code of [[a]] the software program in response to the user input selecting the first parameter value, wherein said automatically including the first parameter value in the source code of the software program aids the user in editing the source code.

25. (Currently Amended) A computer-readable memory medium comprising program instructions executable to:

determine a plurality of resources of one or more measurement devices coupled to a computer system;

display a graphical user interface visually indicating a plurality of parameter values, wherein each parameter value corresponds to one of the resources, wherein the graphical user interface is displayed while a user is editing source code of a software program, wherein the source code is written in a text-based programming language that can be compiled into executable code;

receive user input to the graphical user interface to select a first parameter value from the plurality of parameter values; and

automatically include the first parameter value in the source code of [[a]] the software program in response to the user input selecting the first parameter value, wherein said automatically including the first parameter value in the source code of the software program aids the user in editing the source code.

26. (Currently Amended) A system comprising:

a processor;

a memory coupled to the processor, wherein the memory stores program instructions;

wherein the processor is operable to execute the program instructions stored in the memory to:

dynamically determine a plurality of valid parameter values;

display a graphical user interface for selecting a parameter value, wherein the graphical user interface visually indicates the plurality of valid parameter values, wherein the graphical user interface is displayed while a user is editing source code of a software program, wherein the source code is written in a text-based programming language that can be compiled into executable code;

receive user input to the graphical user interface to select a first parameter value from the plurality of valid parameter values; and

automatically include the first parameter value in <u>the</u> source code of [[a]] <u>the</u> software program in response to the user input selecting the first parameter value<u>, wherein said automatically including the first parameter value in the source code of the software program aids the user in editing the source code</u>.

27.   (Currently Amended) A method for modifying source code of a software program, the method comprising:

dynamically determining a plurality of valid parameter values;

displaying a graphical user interface for selecting a parameter value, wherein the graphical user interface visually indicates the plurality of valid parameter values<u>, wherein the graphical user interface is displayed while a user is editing the source code of the software program, wherein the source code is written in a text-based programming language that can be compiled into executable code</u>;

receiving user input to the graphical user interface to select a first parameter value from the plurality of valid parameter values; and

automatically including the first parameter value in <u>the</u> source code of the software program in response to the user input selecting the first parameter value<u>, wherein said automatically including the first parameter value in the source code of the software program aids the user in editing the source code</u>.

28-30. (Canceled)